Qtv:

Date: User: Friday, 16/05/2008 8:45:50 AM

Julie Lecocq

### **Process Sheet**

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** 

: 39321 : 11204

P.O. Number

This Issue Prsht Rev.

First Issue

: 16/05/2008

: NC

: // : 35483

S.O. No. :

: MACHINED PARTS Type

Part Number

**Drawing Name** 

: D333011

**Drawing Number** 

: D3330 REV D : N/A

Project Number Drawing Revision

: D

Material

Due Date

: 06/06/2008

: LONG PIN BRACKET

10 Um:

Each

Written By

Comment

**Previous Run** 

Checked & Approved By

: Est.

A05.01.13 New issue KJ/JLM

b 07.05.14 rev c dwg

C 07.12.12 rev D dwg EC veryfied by:DD

**Additional Product** 

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

M1010B2500X01000

1010-1025 Steel Bar

BAND SAW



Comment: Qty. 0.2734 f(s)/Unit

Total:

2.7342 f(s)

1010-1025 Steel Bar

Material: AISI 1010-1025 or ASTM A36/A366/A569/A570 Cold Rolled Steel(

M1010-B2.500x01.000) Identify for D3330-11 Batch: M106317

2.0

BAND SAW

Cut blanks: 2.500" x 1.000" x 5.00" long (+/-0.030)



3.0

HAAS1

Comment: BAND SAW



Comment: HAAS CNC VERTICAL MACHINING #1

Machine as per Folio FA479 and Dwg D3330

Identify as D3330-11

Deburr

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Page 1

Form: rprocess

## **Dart Aerospace Ltd**

	-	•								
<b>W</b> /O:			W	ORK ORDER CHANG	ES	· · · · · · · · · · · · · · · · · · ·				
DATE	TE STEP PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
										•
Part No		PAR #:	Fault Cate	gory:	_ NCF	R: Yes	No <b>DQ</b>	A:	Date:	
						QA: N	C Close	d:	_ Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	ANCE	(NCR	)			
DATE	STEP	Description of NC	1	Corrective Action Section	ion B	C: 9	Verific		Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Section C		Chief Eng	QC Inspector	
	-							•		

NOTE: Date & initial all entries

Date: User:

Friday, 16/05/2008 8:45:50 AM

Julie Lecocq

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: LONG PIN BRACKET

Description:

Job Number: 39321

Part Number: D333011

Job Number:



Seq. #:

**Machine Or Operation:** 

5.0

QC8

SECOND CHECK



6.0

PACKAGING 1

PACKAGING RESOURCE #1

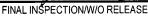


Comment: PACKAGING RESOURCE #1

Identify and Stock Location: WS2Z

7.0

QC21



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion





Dart Ae	rospace	e Ltd								
W/O:				WORK ORDER	CHANGES	,	·			
DATE	STEP	PROCEDURE CHANGE		E	Ву	By Da	Date Q	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·		•						
Part No	:		PAR #:	Fault Category:	NCR:	Yes No	DQ/	<b>A</b> :	_ Date: _	
r						QA: N/C	Closed	d:	Date: _	
				WORK OPDED NON CON	IEODRANICE (	NCD)		<del> </del>		

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B				Ammanal
DATE	Section A				Verification Section C	Approval Chief Eng	Approval QC Inspector	
·								
,								
,						#12 #4		ني.

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	39321
Description: Long Pin Bracket	Part Number:	D3330-11
Inspection Dwg: D3330 Rev: C		Page 1 of 1

### FIRST ARTICLE INSPECTION CHECKLIST

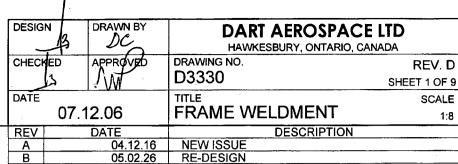
X	First Article		Prototype
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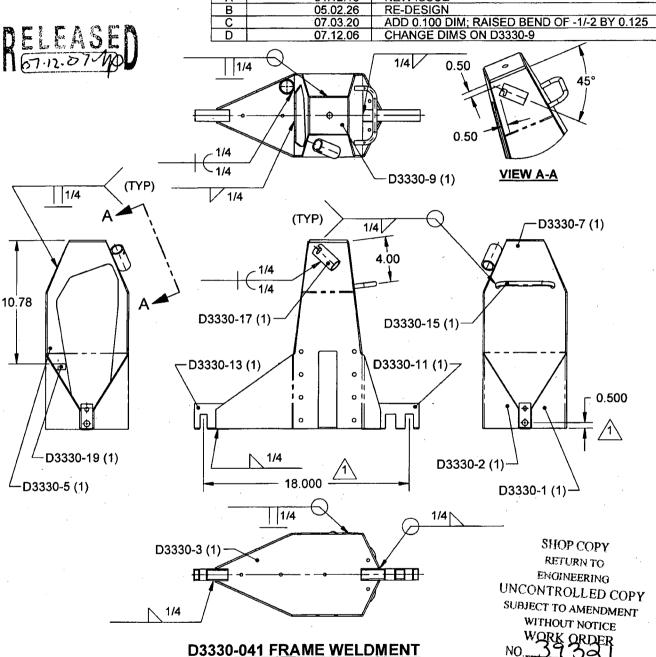
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
5.00	+/-0.030	500	1		· ·	
4.625	+/-0.010	4.(35)				
0.260	+/-0.010	.262				
Ø0.594	+0.005/-0.000	.598	/			
0.875	+/-0.010	. 868	/			
0.838	+/-0.010	.847				
0.700	+/-0.010	.695				
0.500	+/-0.010	505				
2.25	+/-0.030	2.250				
0.950	+/-0.010	. 950				
Ø0.531	+0.005/-0.000	. 536	/			
Ø0.348	+0.005/-0.000	.349	//		·	
Ø0.516	+0.005/-0.000	.519		-		
0.467	+/-0.010	463	,			<u> </u>
1.250	+/-0.010	1.250				
1.00	+/-0.030	. 996				
0.10 x 45°	+/-0.5°	.095X45°	/			
:						
					,	,

Measured by:	JL	Audited by:		Prototype Approval:	N/A
Date:	08/05/22	Date:	08/05/22	Date:	N/A

v Date	Change	/ Revised I	by Approved
05.05.10	New Issue	KJ/JLM	
06.03.09	Dwg Rev updated	KJ/JLM	
07.05.16	Dwg Rev updated	KJ/EC	
07.11.23	0.838 was 0.837	KJ/EC/DE	och D
	05.05.10 06.03.09 07.05.16	05.05.10 New Issue 06.03.09 Dwg Rev updated 07.05.16 Dwg Rev updated	05.05.10         New Issue         KJ/JLM           06.03.09         Dwg Rev updated         KJ/JLM           07.05.16         Dwg Rev updated         KJ/EC







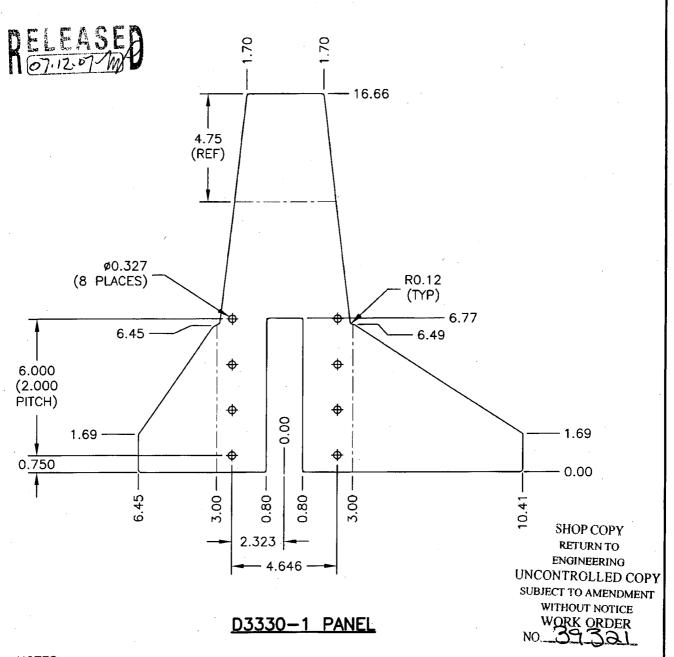
#### NOTES:

- 1) POSITION PARTS AS PER JIG D3330-041T1
- 2) WELD PER QSI 004
- 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.010 TO 0.020

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DESIGN	DRAWN BY	DART AEROSF HAWKESBURY, ONTAR	
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DATE	1 1/1/	TITLE	SCALE SCALE
07.12.06		FRAME WELDMENT	1:4

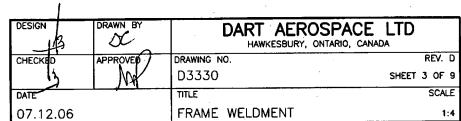


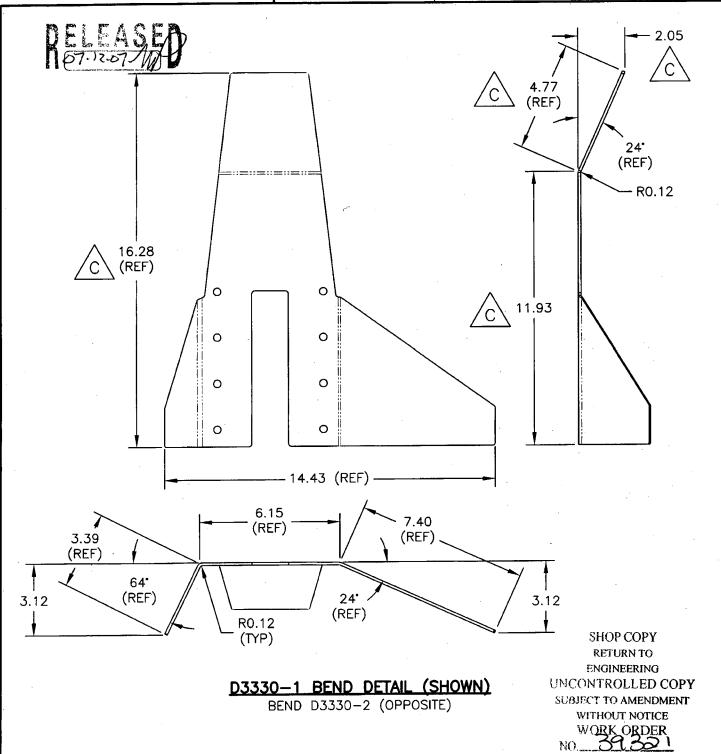
#### NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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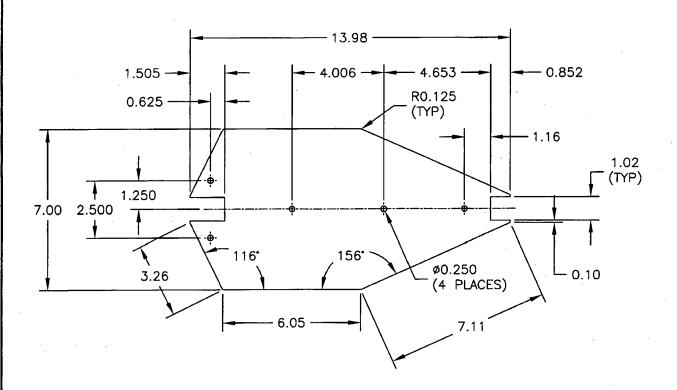






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1 3	M	D3330	SHEET 4 OF 9
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07.12.06		FRAME WELDMENT	1:4

Q-2-07 /W



D3330-3 PLATE

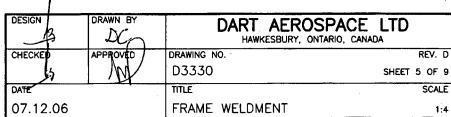
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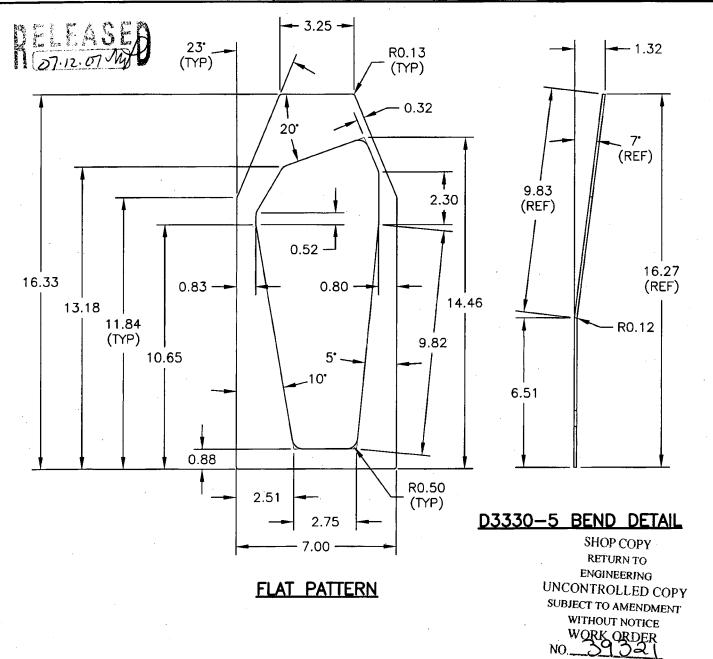
#### NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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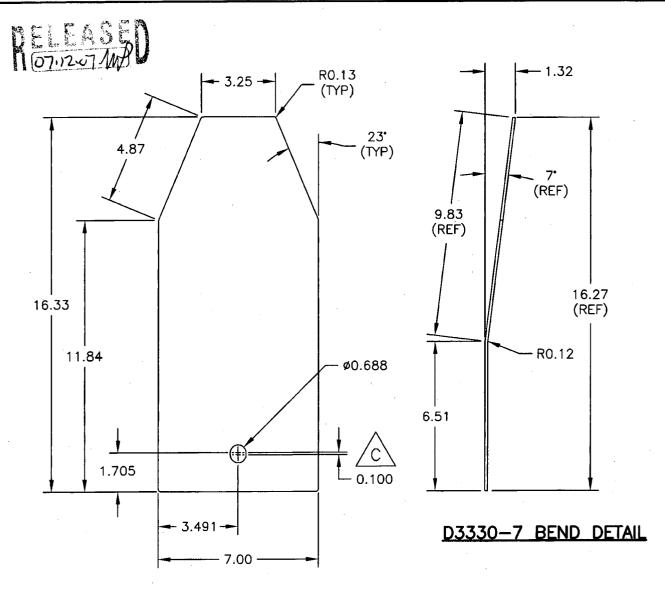
### NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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(3	1 Mg	D3330	SHEET 6 OF 9
DATE		TITLE	SCALE
07.12.06		FRAME ASSEMBLY	1:4



# FLAT PATTERN

SHOP COPY RETURN TO ENGINEERING

NOTES:

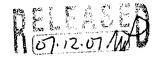
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-2 NCONTROLLED COPY 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK) TO AMENDMENT WITHOUT NOTICE
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

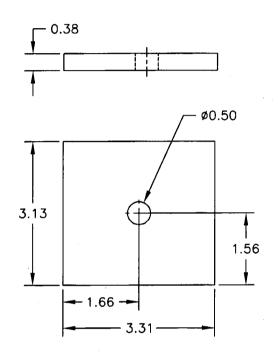
WORK ORDER NO. 39321

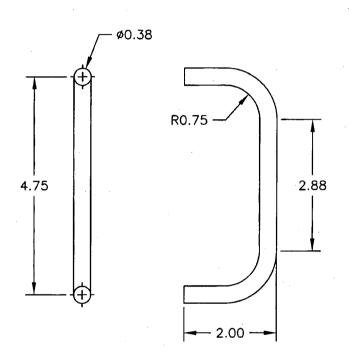
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



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DATE	l	TITLE	SCALE
07.12.06		FRAME WELDMENT	1:2







↑ D3330-9 TOP PLATE

#### NOTES:

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008, 0.375 STEEL

(REF. DART SPEC. M1010-B0.375x3.500)

2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097

(REF. DART SPEC. M1018-R0.375) 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED UNCONTROLLED COPY

4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL SHARP EDGES 0.005 TO 0.010

SUBJECT TO AMENDMENT

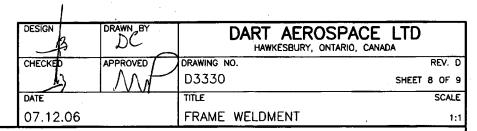
WITHOUT NOTICE

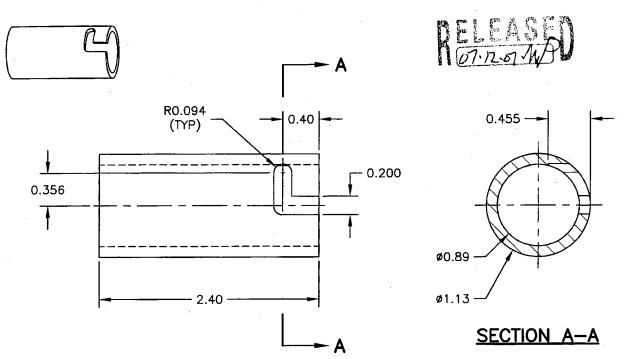
SHOP COPY

RETURN TO

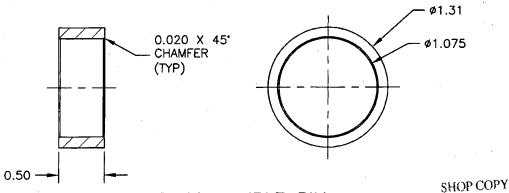
**ENGINEERING** 







### D3330-17 HANDLE SOCKET



D3330-19 HANDLE RIM

RETURN TO **ENGINEERING** UNCONTROLLED COPY

**NOTES:** 

1) MATERIAL: 1010-1025 ROUND BAR STEEL PER MILL-S-7097 (REF. DART SPEC. M1025TR)

SUBJECT TO AMENDMENT WITHOUT NOTICE

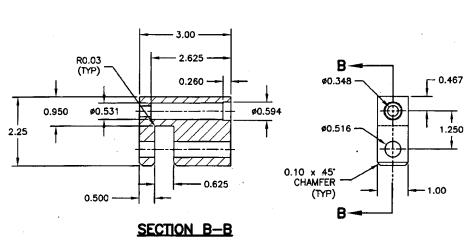
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

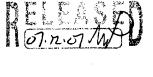
3) ALL DIMENSIONS ARE INCHES

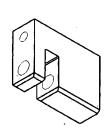
4) BREAK ALL SHARP EDGES 0.005 TO 0.010



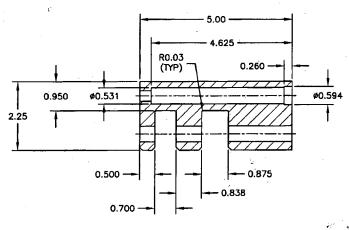
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丛	1 M	D3330	SHEET 9 OF 9
DATE		TITLE	SCALE
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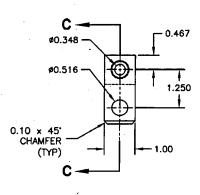


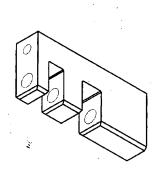




### D3330-13 SHORT PIN BRACKET







\*SECTION C-C

D3330-11 LONG PIN BRACKET

SHOP COPY **RETURN TO ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

#### **NOTES:**

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570, 1.000 THICK STEEL (REF. DART SPEC. M1010-B1.000x02.250)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010